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PTO/SB/05 (2/98)
Approved through 09/30/00. OMB 0651-0032
Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(h))

Attorney Docket No. 06192.0141.NPUS00

First Named Inventor or Application Identifier

Dong-Gyu KIM

Title Liquid Crystal Display

Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ *Fee Transmittal Form (Form PTO-1082)
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages 36]
(preferred arrangement set forth below)
- Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R&D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claims
 - Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC 113) [Total Sheets 24]
4. Oath or Declaration [Total Pages]
- a. ☐ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named
in the prior application, see 37 CFR 1.63(d)(2) and
1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy
of the oath or declaration is supplied under Box 4b, is considered
as being part of the disclosure of the accompanying application
and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above
copies

ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503) (Two)
(should be specifically itemized)
14. ☐ *Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired
15. ☒ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Other:

*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

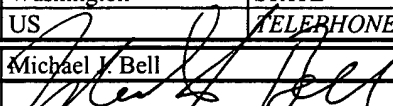
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: /

Prior Application Information: Examiner:

Group/Art Unit:

18. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label 22930 or ☐ Correspondence address below
(Insert Customer No. or Attach bar code label here)

NAME	Michael J. Bell HOWREY SIMON ARNOLD & WHITE, LLP				
ADDRESS	Box No. 34 1299 Pennsylvania Avenue, N.W.				
CITY	Washington	STATE	DC	ZIP CODE	20004-2402
COUNTRY	US	TELEPHONE	202-783-0800	FAX	202-383-7195
Name (Print/Type)	Michael J. Bell	Registration No. (Attorney/Agent)	39,604		
Signature		Date	July 13, 2000		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

HOWREY SIMON ARNOLD & WHITE, LLP

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COMMISSIONER FOR PATENTS
Washington, D.C. 20231Attorney Docket No. 06192.0141.NPUS00

Sir:

Transmitted herewith for filing is the patent application of
Inventors: Dong-Gyu KIM
For: Liquid Crystal Display

Enclosed are:

- ☒ 24 sheets of informal drawings (Figures 1-13, 14A-14B, 15A-15B, 16A-16B, 17A-17B, and 18-20, inclusive).
☐ An assignment of the invention to _____

☐ Form PTO-1595.☒ certified copies of Korean Patent Application Nos. 99-28287, 99-48841, 99-67761.☐ An associate power of attorney.☐ A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27.☐ Executed Power of Attorney from Assignee☐ Executed Declaration for Patent Application.

The filing fee has been calculated as shown below:

	(Col. 1)	(Col. 2)
FOR	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	51 -20 =	* 31
INDEP. CLAIMS	5 -3 =	* 2
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED		

*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

SMALL ENTITY	
RATE	FEE
	\$ 345.00
x 9 =	
x 39 =	
+ 130 =	
TOTAL	

OTHER THAN A SMALL ENTITY	
RATE	FEE
	\$ 690.00
31 x 18 =	\$ 558.00
2 x 78 =	\$ 156.00
+ 260 =	
TOTAL	\$1,404.00

☐ Please charge my Deposit Account No. 08-3038 in the amount of \$ _____. A duplicate copy of this sheet is attached.☒ A check in the amount of \$1,404.00 to cover the fee is enclosed.☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 08-3038 referencing docket number 06192.0141.NPUS00. A duplicate copy of this sheet is attached.☒ Any additional filing fees required under 37 CFR 1.16.☒ Any patent application processing fees under 37 CFR 1.17.☐ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 08-3038 referencing docket number 06192.0141.NPUS00. A duplicate copy of this sheet is enclosed.☐ Any patent application processing fees under 37 CFR 1.17☐ The issue fee set in 37 CFR 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).☐ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Date

7/13/00Michael J. Bell
Michael J. Bell (Reg. No. 38,604)



July 13, 2000

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Box Patent Application

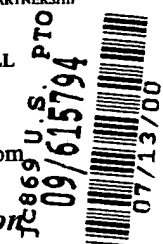
Commissioner for Patents
Washington, D.C. 20231

Re: U.S. Non-Provisional Utility Patent Application
Application Serial No. **To Be Assigned**; Filed: July 13, 2000
For: **Liquid Crystal Display**
Inventor: **Dong-Gyu KIM**
Our Ref: **06192.0141.NPUS00**

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.
Patent and Trademark Office:

1. U.S. Utility Patent Application entitled:
Liquid Crystal Display
and naming as inventor:
Dong-Gyu KIM
the application comprising:
 - a. A specification containing:
 - (i) **24** pages of description prior to the claims;
 - (ii) **11** pages of claims (Claims 1-51);
 - (iii) a one (1) page abstract;
 - b. **24** sheets of informal drawings: (Figures 1-13, 14A-14B, 15A-15B, 16A-16B, 17A-17B, and 18-20 inclusive); and
2. Form PTO-1082 (in duplicate);
3. Utility Patent Application Transmittal (PTO/SB/05);



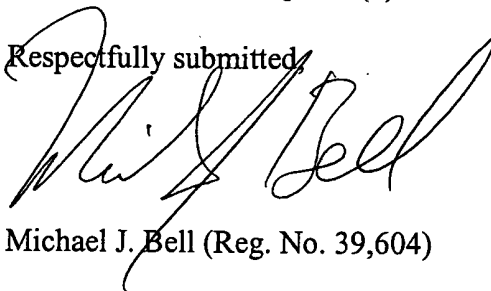
Assistant Commissioner for Patents
July 13, 2000
Page 2

4. Claim to Priority under 35 U.S.C. § 119(a)-(d);
5. Certified copies of Korean Patent Application Nos. 99-28287, 99-48841, 99-67761, filed July 13, 1999, November 5, 1999 and December 31, 1999, priority of which is hereby claimed;
6. Our check No. 331055 for \$1,404.00 to cover:
\$690.00 filing fee for patent application;
\$714.00 fee for excess claims; and
7. Two (2) return postcards.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

This patent application is being submitted under 37 C.F.R. § 1.53(b) without Declaration.

Respectfully submitted,



Michael J. Bell (Reg. No. 39,604)

Enclosures